

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

ILLINOIS SECTION.

CLARENCE J. ROOT, Section Director.

VOL. XX. SPRINGFIELD, ILL., AUGUST, 1915. No. 8.

GENERAL SUMMARY.

During the 41 years that State weather averages are available for comparison both August and the summer of 1915 have been the coldest and rainiest; and similar records were made at Riley, McHenry County, for a 55 year period. Other August State records that have just been established are, the lowest absolute maximum and absolute minimum temperatures, number of rainy and cloudy days, and the least sunshine. The cold, cloudy and rainy weather prevented the maturing of corn and interfered with the threshing of grains, the work being still in progress at the end of the month. The greatest crop damage was caused by the storm of the 3d in the north third of the State, and the storm of the 20th that gave strong winds and general, heavy rains below the Illinois River. The precipitation of the 3d was heaviest in the upper Illinois Valley, and damage to basement stocks, crops, bridges and railroad tracks was reported in several of the counties. The center of a tropical storm passed through southern Illinois on the 20th. As a result of this disturbance, strong winds and general, heavy rains occurred over all of the State lying south and east of the Illinois River. In several counties within a radius of 70 miles of St. Louis, Mo. 6 to 8 inches of rain fell, and over most of the affected area the amounts exceeded 3 inches. Reports indicate that corn was badly blown down over much of the south half of the State and the loss from this source will be considerable. Serious floods occurred in the counties that occupy the southwest quarter of the Section, as far south as Jackson County. Levees gave way, bottom land corn was flooded and washed out, bridges were damaged or destroyed, and the railroads suffered many serious washouts. The crop damage was heavy. At East Alton the levee broke, flooding East Alton, West Woodriver and Benbow City. Many farm animals were drowned and the damage to the cartridge and powder companies was estimated at \$250,000. Fifty houses were flooded at Belleville and some factories were forced to suspend operations, and parts of Granite City were inundated. Hundreds of dead birds were found at Waterloo after the storm. The Illinois River at Beardstown was slightly above the flood stage throughout the month; the Mississippi was above during parts of the month. Fifty-four buildings were burned in Illinois as the result of being struck by lightning. Frank Brueggeman was killed by lightning at Woodburn. Corn was damaged by hail at Bloomington on the 7th.

TEMPERATURE.

The average deficiency of each of the divisions was 6° . The normal was exceeded on but 6 days, the excess ranging from 1° to 4° . Temperatures above 90° were rare and many stations did not reach that mark. The minimum readings of the 30th and 31st were, generally, the lowest on record for August, and the unusual phenomenon of summer frost was quite general in the northern and central divisions. A temperature of 31° was recorded in Stephenson County; this is the lowest summer temperature ever recorded in Illinois after June 12th. None of the observers reported damage worth considering.

PRECIPITATION.

In the south half of the State the monthly totals generally approached or exceeded 10 inches, surpassing former August records at a number of stations. Over the western portion of this area the excesses were 5 to 10 inches. In the northern division and west of the Illinois River the average was about normal. In McHenry County and at several stations near the southeastern corner of Iowa the total precipitation was but slightly more than one inch. The rains were fairly well distributed through the month, except that there was very little at the northern and central stations after the 21st.

ERRATA.—June, 1915 report: Decatur, mean temperature, 69.8; maximum temperature, 82, on the 14th should be canceled and all subsequent entries moved back one day, and 85 inserted on 30th; minimum temperature on 5th, 68; mean maximum, 80.7; mean minimum, 58.8.

July, 1915 report: Alexander, mean temperature, 72.3; mean maximum, 82.5; mean minimum, 63.2; Charleston, lowest temperature for month, 49 on 21st. Decatur, maximum temperature, 85, on 1st should be canceled and all subsequent entries moved back one day, and 89 inserted on 31st; mean maximum, 84.0.

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.			Relative humidity.		
	Mean.	Highest.	Date.	Lowest.	Date.	Average hourly velocity.	Maximum velocity.	Direction.	Date.	Mean 7 a.m.	Mean p.m.
Cairo.....	29.94	30.22	31	29.37	20	7.0	44	se.	1	90	77
Chicago.....	29.99	30.28	18	29.67	21	10.6	34	ne.	21	70	50
Peoria.....	30.00	30.25	31	29.67	21	4.9	22	n.	20	51	56
Springfield.....	29.97	30.25	31	29.55	20	6.9	29	n.	20	89	71
											59

COMPARATIVE AUGUST DATA FOR THE STATE.

Year.	Temperature.			Precipitation.			Number of days.						Precipitation wind direction.
	Mean.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest in 24 hours.	Average snowfall.	With precipitation 0.1 inch or more.	Clear.	Partly cloudy.	Cloudy.	
1878.....	74.2	.....	.....	.....	4.20	.....	.....	.....	.....	.....	.....	.....	.....
1879.....	72.6	.....	.....	.....	3.80	.....	.....	.....	.....	.....	.....	.....	.....
1880.....	74.7	.....	.....	.....	3.80	.....	.....	.....	.....	.....	.....	.....	.....
1881.....	78.6	.....	.....	.....	1.04	.....	.....	.....	.....	.....	.....	.....	.....
1882.....	72.7	.....	.....	.....	3.86	.....	.....	.....	.....	.....	.....	.....	.....
1883.....	70.8	.....	.....	.....	2.13	.....	.....	.....	.....	.....	.....	.....	.....
1884.....	71.7	.....	.....	.....	2.60	.....	.....	.....	.....	.....	.....	.....	.....
1885.....	71.8	.....	.....	.....	5.43	.....	.....	.....	.....	.....	.....	.....	.....
1886.....	76.2	.....	.....	.....	3.51	.....	.....	.....	.....	.....	.....	.....	.....
1887.....	75.0	.....	.....	.....	2.49	.....	.....	.....	.....	.....	.....	.....	.....
1888.....	72.1	.....	.....	.....	4.09	.....	.....	.....	.....	.....	.....	.....	.....
1889.....	71.7	.....	.....	.....	1.25	.....	.....	.....	.....	.....	.....	.....	.....
1890.....	70.5	.....	.....	.....	2.85	.....	.....	.....	.....	.....	.....	.....	.....
1891.....	71.6	.....	.....	.....	4.74	.....	.....	.....	.....	.....	.....	.....	.....
1892.....	73.4	.....	.....	.....	2.37	.....	.....	.....	.....	.....	.....	.....	.....
1893.....	72.7	.....	.....	.....	0.98	.....	.....	.....	.....	.....	.....	.....	.....
1894.....	74.7	.....	.....	.....	1.77	.....	.....	.....	.....	.....	.....	.....	.....
1895.....	75.0	.....	.....	.....	2.85	.....	.....	.....	.....	.....	.....	.....	.....
1896.....	74.3	+0.5	108	37	2.80	-0.46	5.25	0.0	6	16	12	3	sw
1897.....	71.7	-2.1	108	36	1.12	-2.14	1.75	0.0	5	16	11	4	nw
1898.....	73.8	0.0	100	45	4.41	+1.15	5.45	0.0	8	16	10	5	sw
1899.....	76.3	+2.5	102	44	2.57	-0.69	4.58	0.0	7	17	10	4	s
1900.....	79.8	+6.0	111	54	3.87	+0.61	6.15	0.0	8	17	11	3	sw
1901.....	74.8	+1.0	108	41	1.84	-1.42	8.02	0.0	5	17	9	5	ne
1902.....	71.9	-1.9	102	41	4.37	+1.11	4.10	0.0	9	12	12	7	ne
1903.....	72.7	-1.1	102	40	4.46	+1.20	4.34	0.0	9	13	12	6	sw
1904.....	70.8	-3.0	98	37	4.07	+0.81	4.05	0.0	8	16	10	5	sw
1905.....	75.0	+1.2	99	47	3.45	+0.19	4.25	0.0	8	16	9	6	sw
1906.....	76.3	+2.5	101	39	3.98	+0.72	4.40	0.0	9	15	10	6	sw
1907.....	72.9	-0.9	102	41	5.47	+2.21	3.79	0.0	9	15	10	6	sw
1908.....	74.0	+0.2	104	38	2.45	-0.81	4.85	0.0	5	19	8	4	sw
1909.....	77.2	+3.4	105	42	2.22	-1.04	3.80	0.0	5	22	7	2	sw
1910.....	73.8	-0.5	99	37	2.70	-0.56	4.52	0.0	6	15	10	6	s
1911.....	73.2	-0.6	104	40	4.19	+0.93	5.01	0.0	9	15	10	6	sw
1912.....	72.6	-1.2	100	39	4.04	+0.78	3.70	0.0	10	13	11	7	sw
1913.....	73.1	+4.3	106	45	2.37	-0.89	3.21	0.0	6	18	9	4	s
1914.....	76.0	+2.2	104	42	3.43	+0.17	4.29	0.0	8	15	10	6	sw
1915.....	67.8	-6.0	94	31	6.01	+2.75	7.05	0.0	11	10	10	11	nw

Climatological data for August, 1915.

Stations	Counties.	Temperature, in degrees Fahr.										Precipitation, in inches.						Number of days.				Observers
		Elevation, feet.	Length of record, years.	Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Length of record, years.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmetted.	Precipitation, 0.01 inch or more.	Partly cloudy.	Cloudy.	Prevailing direction of wind.			
<i>Northern Division.</i>																						
Aledo.....	Mercer.....	738	15	67.0	-5.3	89	16	38	3 0	33	15	1.59	-1.08	0.64	0.0	7	16	7	8	nw.	Prof. Fred N. Taylor.	
Antioch.....	Lake.....	861	14	64.4 ^a	-5.1	89 ^a	1	38a	30 ^a	36a	14	2.48	-1.02	0.77	0.0	8	16	6	9	sw.	J. C. James.	
Aurora.....	Kane.....	678	36	64.8	-6.0	87	1 ^t	37	31	32	45	5.35	+2.79	1.75	0.0	11	16	10	9	ne.	Miss Alice M. Holden.	
Chicago.....	Cook.....	824	41	66.6	-4.6	86	15	47	30	21	41	4.33	+1.45	2.14	0.0	12	10	9	12	ne.	U. S. Weather Bureau.	
Dakota.....	Stephenson.....	940	10	62.8	-7.2	89	16	31	30	35	11	2.66	-1.45	1.63	0.0	7	15	10	6	w.	W. H. Wyler.	
Dixon.....	Lee.....	725	25	64.4	-7.5	86	16	39	31	32	26	2.28	-0.85	1.90	0.0	5	15	10	10	ne.	H. U. Bardwell.	
Dwight.....	Livingston.....	600	22	66.0	-6.8	88	16	38	31	35	22	6.81	+3.92	3.07	0.0	12	6	9	16	ne.	Edward O. Welch.	
Elgin.....	Kane.....	716	8	65.6	-6.5	88	1	38	31	32	8	2.26	....	1.49	0.0	6	9	14	8	sw.	Elgin Observatory.
Galva.....	Henry.....	842	23	66.5	-6.1	89	2 ^t	38	30	35	39	2.40	-0.85	1.15	0.0	9	9	9	9	ne.	Prof. F. U. White.	
Henry.....	Marshall.....	500	27	65.0 ^a	-4.4	92a	16	38 ^a	31	36 ^a	37	2.17	-0.75	0.80	0.0	7	19	3	9	nw.	Dr. F. A. Powell.	
Joliet.....	Will.....	609	24	64.3	-7.2	89	16	36	31	32	24	3.40	+0.83	2.46	0.0	8	19	3	9	sw.	F. M. Muhlig.	
La Grange.....*	Cook.....	657	23	62.4	-8.4	86	16	31	31	31	23	3.58	-0.10	1.96	0.0	11	15	10	10	ne.	Prof. F. E. Sanford.	
Lanark.....	Carroll.....	883	26	64.2	-6.1	88	1	35	30	37	26	3.08	-0.88	2.12	0.0	8	18	4	9	ne.	M. N. Wertz.	
La Salle.....	La Salle.....	515	11	65.1	-6.9	88	16	37	31	36	11	2.56	-0.0	1.83	0.0	13	12	12	7	w.	H. A. Sohn.	
Martinton.....	Iroquois.....	632	28	65.9	-6.0	88	1 ^t	38	31	32	23	3.39	-0.15	1.70	0.0	13	7	14	10	sw.	Jos. H. Peltier.	
Minonk.....	Woodford.....	758	22	66.8	-6.5	90	16	39	31	35	22	5.97	+2.79	2.60	0.0	9	8	7	16	sw.	John C. Danforth.	
Mouthmouth.....	Warren.....	784	23	67.3	-6.3	89	1	38	31	35	23	1.36	-1.87	0.93	0.0	7	10	9	12	nv.	Prof. J. C. Hutchison.	
Morris.....	Grundy.....	525	3	66.2	-5.8	90	16	36	31	34	4	5.91	....	2.33	0.0	11	14	3	14	ne.	E. G. Cryder.
Morrison.....	Whiteside.....	685	21	65.8	-5.8	90	16	36	31	39	21	3.81	+0.09	1.54	0.0	9	17	6	8	ne.	J. A. Maxwell.	
Ottawa.....	La Salle.....	500	29	65.3	-6.8	90	16	33	30	41	4	2.80	-0.48	1.02	0.0	9	9	5	17	nv.	Miss Maude M. Harris.	
Pontiac.....	Livingston.....	546	13	67.8	-5.8	91	9	40	31	34	13	6.79	+3.58	3.80	0.0	10	5	13	13	sw.	George Butterworth.	
Riley ^{tt}	Mc Henry.....	956	56	64.3	-5.3	86	1 ^t	37	30	33	56	1.12	-2.33	0.67	0.0	9	7	15	9	ne.	John West James.	
Rockford.....	Winnebago.....	750	23	65.0	-6.2	89	16	35	30	36	20	2.05	-1.46	1.01	0.0	11	16	5	10	ne.	Dr. John R. Porter.	
Streator.....	La Salle.....	626	22	66.0	-6.9	89	1	39	31	34	22	4.42	+1.16	1.97	0.0	10	14	8	9	ne.	Miss Lora Sweetser.	
Walnut.....	De Kalb.....	855	35	64.5 ^a	-5.3	88 ^a	16	35	31	36 ^a	35	1.93	-1.59	0.90	0.0	7	12	8	11	w.	Geo. E. Valentine.	
Averages and extremes.....	Bureau.....	717	24	66.2 ^a	-7.1	89 ^a	16	38a	30	35b	24	4.89	+1.48	4.35	0.0	6	15	10	10	nv.	O. C. Nussle.	
<i>Central Division.</i>																						
Alexander.....	Morgan.....	670	22	68.0	-7.0	85	2 ^t	39	31	32	22	5.09	+1.56	1.90	0.0	10	7	9	9	15	nw.	George H. Hall.
Bloomington.....	Mc Lean.....	840	24	67.9	-6.0	91	16	38	31	35	24	4.69	+1.86	1.80	0.0	7	8	8	8	15	nw.	Prof. H. N. Pearce.
Carlisle.....	Macoupin.....	663	25	68.4 ^a	-7.4	89	1 ^t	39	32	31	31	31	11.09	+7.89	5.00	0.0	14	9	8	14	sw.	Dr. J. D. Conley.
Charleston.....	Coles.....	720	30	67.5	-6.6	88	1	39	31	33	36	6.77	+3.62	3.03	0.0	10	8	18	5	se.	State Normal School.	
Clinton.....	Dewitt.....	760	6	67.6	-5.8	88	8	39	31	33	6	7.54	....	2.57	0.0	12	11	9	11	nw.	J. Frank Ziegler.
Danville.....	Vermilion.....	604	13	68.2	-5.6	88	2 ^t	39	31	35	14	5.37	+1.91	2.20	0.0	12	12	4	15	ne.	J. J. Lemon.	
Decatur.....	Macon.....	685	24	68.8 ^a	-5.8	89 ^a	1 ^t	39	31	33	26	5.27	+2.01	4.40	0.0	11	12	10	9	ne.	Prof. J. H. Coonradt.	
Griggsville.....	Pike.....	650	30	66.6	-6.6	90	2 ^t	43	31	30	34	6.87	+4.08	2.27	0.0	10	14	10	10	sw.	Geo. F. Kneeland.	
Havana.....	Mason.....	478	23	68.6	-7.1	91	2	41	31	34	31	3.38	+0.46	1.75	0.0	10	11	6	14	s.	L. E. Euteneuer.	
Hillsboro.....	Montgomery.....	676	21	68.0	-7.9	89	1 ^t	42	31	38	21	12.19	+9.29	5.49	0.0	11	10	3	18	w.	Sam Little.	
Hooperston.....	Vermilion.....	715	13	66.6	-5.5	88	16	36	31	34	13	3.50	-0.25	1.32	0.0	10	11	10	10	sw.	S. F. Hoskinson.	
Le Harpe.....	Hancock.....	652	36	66.5	-7.7	89	16	36	31	37	44	1.50	-2.17	0.66	0.0	6	18	9	4	sw.	Geo. E. Campbell.	
Lincoln.....	Logan.....	575	27	65.6	-5.2	90	8	36	31	42	26	3.83	+0.79	1.65	0.0	8	9	14	8	sw.	Prof. C. S. Ogglevee.	
Montrose.....	Erlingham.....	599	4	67.8	....	91	16	39	31	33	4	10.25	....	4.24	0.0	13	4	16	11	sw.	J. C. Spitzer.
Montrossville.....	Christian.....	626	16	67.8 ^a	-6.8	89 ^a	1	41a	31	29a	16	10.09	+6.76	6.05	0.0	10	11	11	11	sw.	J. D. Lewis.	
Palestine.....	Crawford.....	500	33	69.6	-4.8	90 ^a	2 ^t	44	31	30a	26	6.74	+3.15	2.66	0.0	12	8	11	12	sw.	Duane Shaw.	
Pane.....	Christian.....	695	29	69.1	-5.2	90	16	42	31	30	31	11.23	+7.55	3.87	0.0	12	5	13	13	sw.	H. B. Miner.	
Paris.....	Edgar.....	600	22	65.0	-6.8	90	16	39	31	33	23	6.62	+3.57	2.10	0.0	9	5	20	6	ne.	H. P. Twyman.	
Peoria.....	Peoria.....	609	60	67.2	-5.3	88	16	41	31	31	60	4.78	+1.85	2.19	0.0	8	8	9	14	ne.	U. S. Weather Bureau.	
Philo.....	Champaign.....	650	31	66.4	-6.3	88	16	39	31	32	51	5.89	+3.02	2.18	0.0	8	9	10	12	ne.	H. A. Burr.	
Quincy.....	Adams.....	481	4	70.8	-7.8	93	15	45	31	34	10	4.78	+1.92	1.66	0.0	10	13	8	10	sw.	Fred J. Brinkoetter.	
Rushville.....	Schuylerville.....	670	24	67.8	-6.4	88	16	45	30	23	4	4.73	+1.70	1.64	0.0	7	13	8	10	s.	H. F. Dyson.	
St. Elmo.....	Fayette.....	616	14	69.4	-6.9	92	16	42	31	30	24	14.39	....	5.27	0.0	11	17	5	9	sw.	V. J. Swarm.
SPRINGFIELD.....	SANGAMON.....	644	36	65.4	-5.6	89	16	46	31	24	36	6.21	+3.41	4.52	0.0	10	6	10	15	ne.	SECTION CENTER.	
Urbana.....	Champaign.....	733	13	66.6	-6.1	85	8	39	31	30	15	4.90	+1.94	3.04	0.0	12	3	9	19	ne.	University of Illinois.	
White Hall.....	Greene.....	578	7	68.2	....	90	2 ^t	46	25 ^t	32	16	7.80	+5.05	3.30	0.0	13	9	11	11	sw.	R. B. Pearce.
Windsor.....	Shelby.....	685	16	68.1	-6.1	92	1 ^t	37	31	38	16	8.28	+4.25	3.63	0.0	11	8	12	11	ne.	Herbert Rose.	
Averages and extremes.....	Shelby.....	.....	.....	68.1	-6.3	93	15	36	31	42	....	6.02	+2.85	6.05	0.0	10	10	10	11	nw.	.....
<i>Southern Division.</i>																						
Albion.....	Edwards.....	531	24	70.7	-6.0	92	16	44	31	29	28	7.57	+4.12	2.47	0.0	11	13	7	11	nw.	B. F. Michels.	
Anna.....	Union.....	632	32	71.6	-5.8	91	1 ^t	45	31	29	32	8.81	+5.00	3.60	0.0	14	6	15	10	sw.	Dr. James I. Hale.	
Cairo.....	Alexander.....	559	44	72.6	-4.4	91	16	50	31	23	44	10.23	+7.35	2.62	0.0	13	8	10	13	n.	U. S. Weather Bureau.	
Carbondale.....	Jackson.....	445	10	72.0 ^b	-6.2	94 ^a	1 ^t	41	31	34 ^a	18	10.96	+7.39	3.75	0.0	11	12	11	8	nw.	Prof. F. H. Colyer.	
DuQuoin.....	Perry.....	458	27	70.8	-6.8	94	1 ^t	43	31	33	26	11.78	+8.53	5.04	0.0	16	9	11	11	sw.	G. H. Knetzger.	
Equality.....	Gallatin.....	415	17	71.8	-6.4	92	2 ^t	44	31	32	17	6.26	+2.05	2.75	0.0	15	8	14	9	s.	Dr. L. W. Gordon.	
Fairfield.....	Wayne.....	450	22	71.6	-5.0	92	16	42	31	30	41	7.71	+4.20	4.12	0.0	9	7	15	9	n.	J. H. Bozo.	
Flora.....	Clay.....	491	29	69.9	-5.0	92	16	44	31	30	41	7.71	+4.20	4.12	0.0	9	7	15	9	n.	W. W. Yeck.	
Greenville.....	Pope.....	352	37	69.6 ^a	-6.1	92 ^a	1 ^t	43 ^a	31													

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

^a Also on subsequent dates. ^b Post-office address, Marengo. * Received to late to be included in averages.

T. Precipitation is less than 0.01 inch rain or melted snow.

Daily Precipitation for August, 1915.

Stations.	Watershed.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
<i>Northern Division.</i>																																	
Aledo	Mississippi	T.	.14	.36	T.	.64																											1.59
Antioch	Illinois		.77	.08	T.	.42	.04																									2.48	
Aurora	do	T.	1.75	.52	.05																											5.35	
Chicago***	Lake Michigan	T.	.042	.10	.18	.01																										4.33	
Dakota	Mississippi		.021	.65	.51	.02																										2.66	
Dixon |||	do	T.	.19	.18	.08																											2.28	
Dwight	Illinois	T.	.053	.07	T.	.01	.09																									6.81	
Elgin	do		.14	.49	.06	.02																										2.26	
Galva |||	do	T.	.021	.15	.04	.01																										2.40	
Henry	do		.03	.80	.05																											2.17	
Joliet	do		.302	.48	.27																											4.30	
La Grange	do		.196	.16	.05																											3.58	
Lanark	Mississippi		.13	.122	.00	.19																										3.08	
La Salle |||	Illinois		.021	.88	.07	.02	T.	.02	T.																						2.86		
Manteno	do	T.	.331	.34	.10	.05	T.																									4.24	
Martinton |||	do		.20	.70	.02	.12	.05	T.																								3.39	
Minonk	do		.09	.122	.60	.05																										5.97	
Mouthmouth	Mississippi		.03	T.	.28	.11	T.	.01	T.																						1.36		
Morris	Illinois	T.	.154	.12	.24	T.																										5.91	
Oregon	Mississippi		.1	.06	.80	.14																									3.81		
Ottawa	Illinois		.15	.1	.02	.07																										2.55	
Paw Paw	do		.15	.76	.19	.03																										2.80	
Pontiac	do	T.	.673	.80	.01	T.																										6.79	
Riley	Mississippi		.03	.67	.07	.02																										1.12	
Rockford |||	do		.69	.01	.02	.12	.01	T.																								2.05	
Streator |||	Illinois		.11	.97	.02	.06	T.	T.																								4.42	
Sycamore |||	Mississippi		.90	.06	.13	.01	T.																									1.93	
Tiskilwa	Illinois		.01	.301	.71	.06	T.																									4.37	
Walnut	Mississippi		.234	.2	.01																											4.89	
<i>Central Division.</i>																																	
Alexander	Illinois	T.	.16	.69																													5.09
Astoria	do		.01	T.	.43	T.																											3.52
Beardstown |||	do		.01	.16	.33	T.	T.																										4.06
Bement	Mississippi																																3.83
Bloomington	Illinois	T.		.69	.05	T.																										4.69	
Camp Point	do		.11																														1.31
Carlinville	do		.11	.36	.01	T.																										11.09	
Casey	Wabash		.15		.88	.67	T.																									8.88	
Charleston	do	T.	.42	.48	.05																												6.77
Clinton	Illinois		.126	.06	.95	.02	T.																									7.54	
Danville	Wabash		.1	.10	.60	.37	T.	T.																								5.37	
Decatur |||	Illinois		.15	.07	.02	T.																										5.27	
Fairview	do		.04	.147	.02																											2.79	
Grafton |||	Mississippi	T.		.33	.07	T.																										8.92	
Griggsville	Illinois		.11	.20	.09																											6.87	
Havana	do		.04	.11	.07	.02	T.																									3.38	
Hillsboro |||	Mississippi		.1	.73	.35	T.																										19.12	
Hooperston	Wabash		.07	.81	.15	.02	T.																									3.50	
La Harpe	Illinois		T.	.15	.57	T.																										1.50	
Lineola	do		.02	.08	.58	.13																										3.83	
Macomb	do		.02	.08	.58	.15																										1.27	
Montrose	Wabash		.09	.70	.44	.06	T.																									10.25	
Morrisonville	Illinois		.09	.57	.57	T.	T.																								10.09		
Newton	Wabash		.63	.39	.05	T.																									7.97		
Palestine	do		T.	.01	.09	.12																										6.74	
Pana |||	Mississippi		.31	.75	.15	.01	T.																								11.23		
Paris |||	Wabash		.06	.67	.67	T.																									6.62		
Peoria**	Illinois		.15	.21	.02	T.																									4.78		
Philo	Wabash		.22	.70	.45																										5.89		
Quincy |||	Mississippi		.39	.61	.02	T.																									4.78		
Roberts	Illinois		T.	.03	.03	T.																									2.99		
Rushville	do		.06	.53																												4.73	
St. Elmo	Mississippi		.2	.27	.1	.03	T.																								14.39		
Sidell	Wabash		.40	T.	.49	.04	T.																								4.35		
Springfield**	Illinois		.62	.23	.28	T.	</td																										

Daily temperatures for August, 1915.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean		
<i>Northern Division.</i>																																		
Aledo.....	87	88	79	66	72	84	86	88	84	81	83	82	86	86	89	72	75	78	69	78	80	83	71	75	68	72	72	62	65	73	77.8			
	Minimum.....	87	55	57	53	56	54	61	61	59	58	55	57	59	62	67	63	57	49	56	60	58	63	55	49	56	46	42	56	38	40	56.1		
Antioch.....	89	77	65	60	62	76	83	88	75	78	77	69	83	85	87	87	71	..	74	69	72	84	81	76	72	66	64	75	68	62	74	74.8a		
Aurora.....	61	65	60	55	55	53	56	59	63	58	60	63	60	62	65	61	..	46	50	62	49	55	54	52	40	39	43	38	33	54.1a				
Chicago.....	87	84	72	64	75	82	84	78	78	76	70	82	83	88	87	69	71	75	68	73	80	81	75	68	61	65	71	71	61	63	74.6			
	Maximum.....	63	67	60	63	54	52	54	58	58	61	61	62	60	57	63	60	53	51	60	48	55	54	49	45	43	47	40	37	45	31	41	50.7	
Dakota.....	86	78	69	62	63	67	82	78	70	71	80	86	84	84	71	66	69	68	70	79	82	72	70	62	61	66	69	58	71	71	71.7			
Dixon \ddagger	84	84	65	59	67	77	82	83	80	78	77	72	80	82	83	86	67	72	75	69	77	81	80	64	70	63	68	70	64	61	70	73.9		
	Minimum.....	84	57	59	55	54	55	50	60	60	58	60	58	58	62	58	65	61	54	48	53	58	52	44	40	46	40	39	54.8					
Dwight.....	86	85	78	62	57	56	54	58	59	61	57	62	61	55	58	64	65	64	55	50	50	53	57	51	56	52	48	42	52	48	33	56.3		
Elgin.....	88	82	76	63	62	78	84	79	80	78	76	82	84	85	85	77	72	76	73	73	83	81	77	71	71	67	72	72	64	71	76.2			
Galva \ddagger	89	94	64	62	72	83	88	84	82	82	78	83	87	87	89	71	76	78	68	80	84	83	68	75	63	67	65	74	77.3					
Joliet.....	87	84	79	66	74	76	79	83	77	77	75	71	82	84	85	88	69	72	74	67	71	82	82	72	69	61	66	74	67	60	69	74.6		
Lanark.....	63	68	61	55	55	53	53	56	57	63	61	63	57	56	56	58	51	49	57	56	55	50	50	57	64	50	51	45	53	44	38	54.0		
	Maximum.....	88	84	65	59	69	79	86	86	82	81	82	74	82	84	85	87	72	72	76	71	79	83	82	70	74	65	70	72	60	65	72	76.0	
La Salle \ddagger	85	84	66	62	67	77	85	81	76	77	71	81	84	85	88	86	72	75	68	77	73	81	86	70	62	68	71	70	63	73	74.4			
Martinton \ddagger	66	67	60	56	55	56	57	60	60	62	58	55	57	60	63	56	54	54	55	55	56	52	45	40	48	41	37	55.3						
Minonk.....	65	69	65	55	55	52	58	55	56	58	64	62	58	63	59	64	66	53	50	55	58	50	57	64	56	50	51	45	53	44	38	56.8		
Rockford \ddagger	87	80	64	59	64	78	88	85	82	81	80	72	84	87	87	87	89	65	75	80	70	80	88	83	66	75	65	67	72	74	68	65	74	76.3
	Minimum.....	61	64	57	55	54	53	55	58	59	56	57	62	57	58	60	66	60	44	51	58	57	57	51	51	40	38	44	35	41	53.7			
<i>Central Division.</i>																																		
Alexander.....	87	88	81	66	78	83	84	88	85	77	79	81	84	82	86	88	81	74	74	64	78	83	82	75	72	70	73	64	71	78.3				
	Minimum.....	70	70	61	56	59	55	61	63	63	62	64	63	55	61	62	66	66	59	54	59	54	53	45	59	48	39	57.7						
Bloomington.....	89	89	76	61	72	84	86	90	83	78	73	77	85	85	88	91	75	78	79	64	76	82	74	72	66	73	78.5							
Carlinville.....	68	68	61	56	57	58	63	61	60	63	61	56	63	62	67	67	58	51	57	57	52	60	61	55	52	49	42	54	38	57.3				
Charleston.....	88	83	64	67	77	82	85	86	83	78	81	81	83	82	88	89	83	73	71	68	77	83	84	77	71	68	74	74	66	71	78.5			
Danville.....	86	88	80	67	72	83	87	85	77	79	79	72	84	83	85	87	77	76	77	78	77	80	85	80	71	74	72	77	71	65	74.9			
	Minimum.....	70	69	68	58	58	57	63	64	62	62	63	62	68	63	58	62	66	57	53	58	62	64	57	49	49	39	39	58.5					
Decatur \ddagger	89	88	78	77	84	86	89	89	75	75	75	84	82	88	83	82	82	75	75	72	80	84	84	72	74	75	72	67	73	78.8				
Havana.....	71	70	65	57	56	60	58	63	61	60	63	61	56	63	62	67	67	58	51	57	57	52	60	61	55	52	49	42	54	38	57.3			
La Harpe.....	72	81	69	64	53	54	55	62	63	63	64	60	56	63	62	67	67	58	51	57	57	52	60	59	51	42	42	58.3						
Lincoln.....	73	68	67	58	58	55	56	58	63	63	65	61	55	59	62	65	60	58	53	58	55	53	50	49	57	52	49	56	55	58.4				
	Maximum.....	70	69	68	58	58	57	63	64	64	64	62	57	62	62	68	65	63	61	58	58	51	55	49	49	39	39	42	36	37.7				
Montrose.....	89	88	79	73	78	84	86	89	75	75	75	84	82	88	83	82	82	75	75	72	80	84	84	72	74	75	72	67	72	72.9				
Palestine.....	89	90	81	70	75	84	86	86	80	74	76	82	86	88	88	87	76	76	76	76	82	84	82	77	75	75	70	66	75	78.8				
Pana.....	89	88	77	66	77	85	85	88	83	79	78	82	82	85	87	89	73	74	76	75	80	82	81	74	70	73	76	73	66	72.5				
Paris \ddagger	87	86	76	70	72	81	85	88	87	74	76	82	86	85	89	89	80	72	75	82	83	80	82	78	72	73	76	77	76	77.6				
	Minimum.....	69	67	68	56	56	55	58	65	64	66	62	58	57	65	65	61	68	58	52	58	52	57	60	56	47	47	54	47	39	57.7			
Peoria.....	88	86	67	65	73	81	87	86	74	79	70	88	85	85	88	83	72	75	76	78	82	84	80	74	76	77	72	66	72	72.7				
Quincy \ddagger	82	88	68	62	70	86	87	89	86	77	85	88	85	89	89	90	83	71	77	84	83	80	86	85	78	75	79	69	67	79.0				
Rushville.....	84	85	73	68	76	84	84	87	77	78	79	78	82	85	87	85	76	78	82	85	87	80	80	76	76	70	67	62	69	76.0				
	Minimum.....	73	70	62	57	57	65	64	65	64	65	64	57	61	62	66	66	60	65	55	57	57	61	61	49	57	60	46	46	59.5				
SPRINGFIELD.....	86	88	70	66	76	82	86	87	85	74	79	72	82	81	86	89	80	72	74	73	83	87	83	73	70	69	74	71	71	77.1				
Urbana \ddagger	82	84	71	61	71	80	82	85	84	75	70	68	71	78	73	84	80	76	72	72	73	80	70	70	71	70	69	69	74.4					
White Hall.....	70	69	68	58	57	61	63	62	64	60	60	65	63	68	63	68	63	60	58	58	58	64	62	54	47	52	48	39	58.9					
	Maximum.....</																																	